

1638

PTO/SB/21 (05-03)

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TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Application Number	09/771,009	
	Filing Date	January 25, 2001	
	First Named Inventor	Steven P. Holzberg	
	Group Art Unit	1638	
	Examiner Name	Georgia L. Helmer	
Total Number of Pages in This Submission	14	Attorney Docket Number	60-017200US

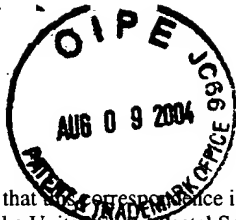
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Paul Littlepage, Reg. No. 48,581, Quine Intellectual Property Law Group, P.C.
Signature	
Date	August 4, 2004

CERTIFICATE OF MAILING

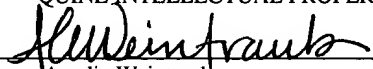
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QUINE INTELLECTUAL PROPERTY LAW GROUP, P.C.

By


Amelia Weintraub

Attorney Docket No. 60-017200US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Steven P. Holzberg, et al.

Application No.: 09/771,009

Filed: January 25, 2001

For: **CYTOPLASMIC INHIBITION OF GENE
EXPRESSION AND EXPRESSION OF A
FOREIGN PROTEIN IN A MONOCOT
PLANT BY A PLANT VIRAL VECTOR**

Examiner: Steven P. Holzberg

Art Unit: 1638

REPLACEMENT SEQUENCE LISTING

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Sir:

Applicants respectfully submit the enclosed Sequence Listing to replace the sequence listing previously submitted on March 11, 2004.

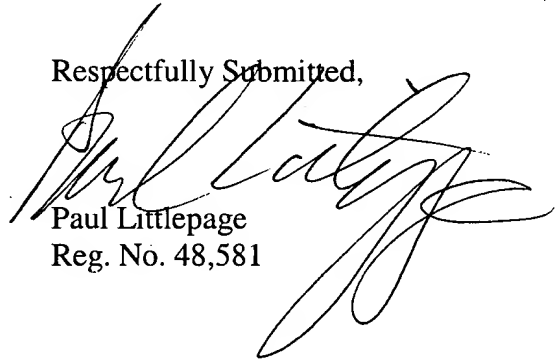
REMARKS

This replacement sequence listing merely corrects a typographical error in the previously submitted Sequence Listing, and therefore introduces no new matter. A replacement Computer Readable Form (CRF), as well as a paper copy of the sequence listing, is enclosed.

The correction appears on page 6, in SEQ ID NO: 39. The field indicating the number of nucleotides (field <211>) has been corrected to read "32" instead of "33."

The undersigned hereby states that the Sequence Listing submitted concurrently herewith does not include matter which goes beyond the content of the application as filed and that the information recorded on the diskette submitted concurrently herewith is identical to the written Sequence Listing.

Respectfully Submitted,

A handwritten signature in black ink, appearing to read 'Paul Littlepage', is written over the typed name and registration number.

Paul Littlepage
Reg. No. 48,581

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60-017200US sequence listing.txt

SEQUENCE LISTING

<110> HOLZBERG, STEVEN P.
POGUE, GREGORY P.

<120> CYTOPLASMIC INHIBITION OF GENE
EXPRESSION AND EXPRESSION OF A FOREIGN PROTEIN IN A MONOCOT
PLANT BY A PLANT VIRAL VECTOR

<130> 60-017200US

<140> 09/771,009

<141> 2001-01-25

<160> 74

<170> FastSEQ for Windows Version 4.0

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<211> 17

<212> PRT

<213> Coxsackie virus

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Pro

<210> 2

<211> 20

<212> PRT

<213> Coxsackie virus

<400> 2

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1 5 10 15
Asn Leu Gly Pro
20

<210> 3

<211> 20

<212> PRT

<213> Coxsackie virus

<400> 3

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1 5 10 15
Asn Pro Arg Pro
20

<210> 4

<211> 20

<212> PRT

<213> Coxsackie virus

<400> 4

Gln Leu Leu Asn Phe Asp Leu Leu Lys Leu Ala Gly Asp Val Glu Ser
1 5 10 15
Asn Pro Gly Pro
20

60-017200US sequence listing.txt

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<210> 5
<211> 20
<212> PRT
<213> Cocksackie virus

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Gln Thr Leu Asn Phe Asp Leu Leu Lys Leu Ala Gly Asp Val Glu Ser
 1             5             10             15
Asn Pro Gly Pro
                20

<210> 6
<211> 20
<212> PRT
<213> Cocksackie virus

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 1             5             10             15
Asn Pro Gly Pro
                20

<210> 7
<211> 20
<212> PRT
<213> Cocksackie virus

<400> 7
His Tyr Ala Gly Tyr Phe Ala Asp Leu Leu Ile His Asp Ile Glu Thr
 1             5             10             15
Asn Pro Gly Pro
                20

<210> 8
<211> 20
<212> PRT
<213> Cocksackie virus

<400> 8
His Tyr Ala Gly Tyr Phe Ser Asp Leu Leu Ile His Asp Val Glu Thr
 1             5             10             15
Asn Pro Gly Pro
                20

<210> 9
<211> 20
<212> PRT
<213> Cocksackie virus

<400> 9
Tyr His Ala Asp Tyr Tyr Lys Gln Arg Leu Ile His Asp Val Glu Met
 1             5             10             15
Asn Pro Gly Pro
                20

<210> 10
<211> 19
<212> PRT
<213> Cocksackie virus

<400> 10
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 1             5             10             15

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Asn Pro Gly

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<210> 12
<211> 21
<212> DNA
<213> Barley stripe mosaic virus

<400> 12
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<210> 13
<211> 39
<212> DNA
<213> Barley stripe mosaic virus

<400> 13
tatagcgcgc atttaaattg gtcttcctt gggggaccg      39

<210> 14
<211> 49
<212> DNA
<213> Saccharomyces cerevisiae

<400> 14
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<210> 15
<211> 44
<212> DNA
<213> Saccharomyces cerevisiae

<400> 15
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<210> 16
<211> 46
<212> DNA
<213> Barley stripe mosaic virus

<400> 16
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<210> 17
<211> 44
<212> DNA
<213> Barley stripe mosaic virus

<400> 17
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<210> 18
<211> 43
<212> DNA
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agagtccgtt aagattcatg g	21
<210> 20	
<211> 30	
<212> DNA	
<213> Tobacco mosaic virus	
<400> 20	
cattaattaa gatgatggct agcaaaggag	30
<210> 21	
<211> 112	
<212> DNA	
<213> Tobacco mosaic virus	
<400> 21	
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attcaacagc tgtttgtaga gctcagcggc cgccttgat agctcatcca tg	112
<210> 22	
<211> 98	
<212> DNA	
<213> Tobacco mosaic virus	
<400> 22	
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cctggtcctg tcgacaaagg agaagaactt ttcactgg	98
<210> 23	
<211> 49	
<212> DNA	
<213> Tobacco mosaic virus	
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<210> 24	
<211> 39	
<212> DNA	
<213> Homo sapiens	
<400> 24	
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<210> 25	
<211> 31	
<212> DNA	
<213> Homo sapiens	
<400> 25	
cggcataatc cggaacatca tacggataag c	31
<210> 26	

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<211> 42
 <212> DNA
 <213> Chicken

<400> 26
 ggccgctgaa caaaagctta tctctgagga agatcttgag ct 42

<210> 27
 <211> 34
 <212> DNA
 <213> Chicken

<400> 27
 caagatcttc ctcagagata agcttttgtt cagc 34

<210> 28
 <211> 39
 <212> DNA
 <213> Cnidaria

<400> 28
 ggccgctcat catcaccatc accatcacca tcacgagct 39

<210> 29
 <211> 31
 <212> DNA
 <213> Cnidaria

<400> 29
 cgtgatggtg atggtgatgg tgatgatgag c 31

<210> 30
 <211> 32
 <212> DNA
 <213> Brome mosaic virus

<400> 30
 tattttaatta agatgtcgac ttcaggaact gg 32

<210> 31
 <211> 30
 <212> DNA
 <213> Brome mosaic virus

<400> 31
 tatgcggccg ccctataaag cggggtgaag 30

<210> 32
 <211> 33
 <212> DNA
 <213> Chicken

<400> 32
 tattttaatta agatgacttg ccagacttac aac 33

<210> 33
 <211> 31
 <212> DNA
 <213> Chicken

<400> 33
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<210> 34
 <211> 34
 <212> DNA
 <213> Bovine

 <400> 34
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 <210> 35
 <211> 30
 <212> DNA
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 <400> 35
 tatgcggccg ccagggtgca accctcaacg 30

 <210> 36
 <211> 38
 <212> DNA
 <213> Homo sapiens

 <400> 36
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 <210> 37
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 <213> Homo sapiens

 <400> 37
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 <210> 38
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 <400> 38
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 <210> 39
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 <212> DNA
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 <400> 39
 tatgcggccg cagtcaccac aggcatttgc ac 32

 <210> 40
 <211> 25
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 <400> 40
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 <210> 41
 <211> 34
 <212> DNA
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 <400> 41
 atagctagca agcatgcgaa ggtaaataca gtag 34

60-017200US sequence listing.txt

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<210> 42
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<212> DNA
<213> Barley stripe mosaic virus

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<210> 43
<211> 44
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<400> 43
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44

<210> 44
<211> 46
<212> DNA
<213> Barley stripe mosaic virus

<400> 44
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<210> 45
<211> 21
<212> DNA
<213> Barley stripe mosaic virus

<400> 45
agagtccggt aagattcatg g
21

<210> 46
<211> 35
<212> DNA
<213> Barley stripe mosaic virus

<400> 46
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35

<210> 47
<211> 39
<212> DNA
<213> Barley stripe mosaic virus

<400> 47
tattaggtct cccatggcct tagaaacgga agaagaatc
39

<210> 48
<211> 35
<212> DNA
<213> Barley stripe mosaic virus

<400> 48
atataggtct cccatgatgg ctactttctc ttgtg
35

<210> 49
<211> 37
<212> DNA
<213> Barley stripe mosaic virus

<400> 49

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60-017200US sequence listing.txt

tattaggtct cccatggcag gaccagggtt agattcc	37
<210> 50	
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<212> DNA	
<213> Barley stripe mosaic virus	
<400> 50	
ggaaagccgg cgaacgtggc g	21
<210> 51	
<211> 58	
<212> DNA	
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<400> 51	
tatattcgaa tctagaatcg atgctagctt gcatgctgtg aagtggtaaa agaaatgc	58
<210> 52	
<211> 35	
<212> DNA	
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<400> 52	
atataggtct cccatggcta gcaaaggaga agaac	35
<210> 53	
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<211> 35	
<212> DNA	
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<210> 55	
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<213> Tobacco mosaic virus	
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aatcaaaatt caacagctgt ttgtagagct catccatgcc	100
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tatgctagct tatttggcct tgaaccaact g	31
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<210> 61	
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<213> Black hulless barley	
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atattaatta actaaaccca tattgcttga ggcaa	35
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atattaatta actggatgaa aaagcagggt gttcc	35
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60-017200US sequence listing.txt

<213> Corn leaf

<400> 65
atattaatta acatggacac tggctgcctg tc 32

<210> 66
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<213> Corn leaf

<400> 66
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<400> 67
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<210> 70
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<213> Corn leaf

<400> 70
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<210> 71
<211> 35
<212> DNA
<213> Nicotiana benthamiana

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<210> 72
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<212> DNA
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<400> 72
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<210> 73
<211> 35

60-017200US sequence listing.txt

<212> DNA

<213> Nicotiana benthamiana

<400> 73

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35

<210> 74

<211> 35

<212> DNA

<213> Nicotiana benthamiana

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35